

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

	Hits	Search Text	DBs
1	0	((partial and full) near5 (scan\$5 displ\$5)) and (subframe subfield)	EPO; JPO; DERWENT; IBM_TDB
2	2	((partial and full) adj4 (scan\$5 displ\$5)) with (subframe subfield)	USPAT; US-PGPUB
3	2	((partial and full) adj4 (scan\$5 displ\$5)) same (subframe subfield)	USPAT; US-PGPUB
4	12	((partial and full) near5 (scan\$5 displ\$5)) and (subframe subfield)	USPAT; US-PGPUB
5	4	((partial and full) adj4 (scan\$5 displ\$5)) and (subframe subfield)	USPAT; US-PGPUB
6	4	((partial) adj4 (scan\$5 displ\$5)) with (subframe subfield)	USPAT; US-PGPUB
7	10	((partial whole) adj4 (scan\$5 displ\$5)) with (subframe subfield)	USPAT; US-PGPUB
8	3	((partial and (full whole)) adj4 (scan\$5 displ\$5)) with (subframe subfield)	USPAT; US-PGPUB
9	3	((partial and (full whole)) near5 (scan\$5 displ\$5)) with (subframe subfield)	USPAT; US-PGPUB
10	0	((partial and (full whole)) near5 (scan\$5 displ\$5)) with (subframe subfield)	EPO; JPO; DERWENT; IBM_TDB
11	0	((partial and (full whole)) near5 (scan\$5 displ\$5)) and (subframe subfield)	EPO; JPO; DERWENT; IBM_TDB
12	16	((partial and (full whole)) near5 (scan\$5 displ\$5)) and (subframe subfield)	USPAT; US-PGPUB
13	1988	((partial and (full whole)) near5 (scan\$5 displ\$5))	USPAT; US-PGPUB
14	564	((partial with (full whole)) near5 (scan\$5 displ\$5))	USPAT; US-PGPUB
15	11	((partial with (full whole)) same (scan\$5 displ\$5)) and (subframe subfield)	USPAT; US-PGPUB
16	4	((partial with (full whole)) near5 (scan\$5 displ\$5)) and (subframe subfield)	USPAT; US-PGPUB
17	5	((partial with (full whole)) with (scan\$5 displ\$5)) and (subframe subfield)	USPAT; US-PGPUB
18	6	((partial with (full whole)) same (scan\$5 displ\$5)) and (subframe subfield)) not ((partial with (full whole)) with (scan\$5 displ\$5)) and (subframe subfield))	USPAT; US-PGPUB
19	580	((partial near5 (full whole)) near5 (scan\$5 displ\$5))	USPAT; US-PGPUB
20	262	((partial near5 (full whole)) adj5 (scan\$5 displ\$5))	USPAT; US-PGPUB

	Hits	Search Text	DBs
21	109	((partial with (full whole)) adj (scan\$5 displ\$5))	USPAT; US-PGPUB
22	12	((partial near5 (full whole)) adj (scan\$5 displ\$5))	EPO; JPO; DERWENT; IBM_TDB
23	22	((((partial with (full whole)) adj (scan\$5 displ\$5))) not (((partial near5 (full whole)) adj (scan\$5 displ\$5))))	EPO; JPO; DERWENT; IBM_TDB
24	24	((partial with (full whole)) adj (scan\$5 displ\$5))	EPO; JPO; DERWENT; IBM_TDB
25	61	((partial near5 (full whole)) adj (scan\$5 displ\$5))	USPAT; US-PGPUB
26	85	((((partial with (full whole)) adj (scan\$5 displ\$5))) not (((partial near5 (full whole)) adj (scan\$5 displ\$5))))	USPAT; US-PGPUB
27	1	6028573.pn.	USPAT; US-PGPUB
28	0	((partial and full) near5 (scan\$5 displ\$5)) with (scan\$5 near6 (disabled enabled))	EPO; JPO; DERWENT; IBM_TDB
29	1	((partial and full) near5 (scan\$5 displ\$5)) with (scan\$5 near6 (disabled enabled))	USPAT; US-PGPUB
30	4	((partial and full) with (scan\$5 displ\$5)) same (scan\$5 near6 (disabled enabled))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
31	4	((partial and full) with (scan\$5 displ\$5)) same (scan\$5 near6 (disabled enabled))	USPAT; US-PGPUB
32	0	((partial and full) with (displ\$5)) same (scan\$5 near6 (disabled enabled))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
33	13	((partial and full) with (displ\$5)) and (scan\$5 near6 (disabled enabled))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
34	56	((partial) with (displ\$5)) and (scan\$5 near6 (disabled enabled))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
35	23	((partial) with (scan\$5 displ\$5)) same (scan\$5 near6 (disabled enabled))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
36	2	((display adj off) with (scan\$5 displ\$5)) same (scan\$5 near6 (disabled enabled))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
37	1542	(345/54,79-80,207,209,212-213,611-613).CCLS.	USPAT; US-PGPUB

	Hits	Search Text	DBs
38	0	((345/54,79-80,207,209,212-213,611-613).CCLS.) and ((part\$5 with (full whole all)) with (scan\$5 displ\$5)) and (subframe subfield)	USPAT; US-PGPUB
39	0	((345/54,79-80,207,209,212-213,611-613).CCLS.) and ((part\$5 with (full whole all)) same (scan\$5 displ\$5)) and (subframe subfield)	USPAT; US-PGPUB
40	72	((part\$5 with (full whole all)) same (scan\$5 displ\$5)) and (subframe subfield)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
41	27	((345/54,79-80,207,209,212-213,611-613).CCLS.) and ((part\$5 with (full whole all)) with (scan\$5 displ\$5))	USPAT; US-PGPUB
42	70	((part\$5 with (full whole all)) same (scan\$5 displ\$5)) and (subframe subfield)) not ((345/54,79-80,207,209,212-213,611-613).CCLS.) and ((part\$5 with (full whole all)) with (scan\$5 displ\$5)))	USPAT; US-PGPUB
43	41	((part\$5 with (full whole all)) with (scan\$5 displ\$5)) and (subframe subfield)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
44	6	((part\$5 with (full whole all)) with (scan\$5 displ\$5)) with (subframe subfield)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
45	7	((part\$5 with (full whole all)) with (scan\$5 displ\$5)) same (subframe subfield)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
46	41	((part\$5 with (full whole all)) with (scan\$5 displ\$5)) and (subframe subfield)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
47	34	((part\$5 with (full whole all)) with (scan\$5 displ\$5)) and (subframe subfield)) not ((part\$5 with (full whole all)) with (scan\$5 displ\$5)) same (subframe subfield))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
48	10	((part\$5 with (full whole all)) same (scan\$5 displ\$5)) same (subframe subfield)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
49	3	((part\$5 with (full whole all)) same (scan\$5 displ\$5)) same (subframe subfield)) not ((part\$5 with (full whole all)) with (scan\$5 displ\$5)) same (subframe subfield))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Hits	Search Text	DBs
50	7	((part\$5 incomplete unfinished) with (full whole all)) with (scan\$5 displ\$5)) same (subframe subfield)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
51	791	(345/212-213).CCLS.	USPAT; US-PGPUB
52	0	((345/212-213).CCLS.) and (((part\$5 incomplete unfinished) with (full whole all)) with (scan\$5 displ\$5)) same (subframe subfield)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
53	17	((345/212-213).CCLS.) and (((part\$5 incomplete unfinished) with (full whole all)) with (scan\$5 displ\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
54	27	((345/54,79-80,207,209,212-213,611-613).CCLS.) and (((part\$5 incomplete unfinished) with (full whole all)) with (scan\$5 displ\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
55	10	((345/54,79-80,207,209,212-213,611-613).CCLS.) and (((part\$5 incomplete unfinished) with (full whole all)) with (scan\$5 displ\$5))) not (((345/212-213).CCLS.) and (((part\$5 incomplete unfinished) with (full whole all)) with (scan\$5 displ\$5)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
56	0	((345/54,79-80,207,209,212-213,611-613).CCLS.) and (((part\$5 incomplete unfinished) with (full whole all)) with (scan\$5 displ\$5)) and (subframe subfield)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
57	651	(345/89).CCLS.	USPAT; US-PGPUB
58	15	((partial and (full whole)) near5 (scan\$5 displ\$5)) and ((345/89).CCLS.)	USPAT; US-PGPUB
59	2	((partial with (full whole)) near5 (scan\$5 displ\$5)) and ((345/89).CCLS.)	USPAT; US-PGPUB
60	1	((partial near5 (full whole)) near5 (scan\$5 displ\$5)) and ((345/89).CCLS.)	USPAT; US-PGPUB
61	2	(scan\$5 with (displa\$4 and non\$1displa\$4)) and speckle\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
62	2	(scan\$5 same (displa\$4 and non\$1displa\$4)) and speckle\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
63	7971	speckle\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Hits	Search Text	DBs
64	969	(scan\$5 near3 line\$4) and speckle\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
65	2	(scan\$5 same (non\$1displa\$4)) and speckle\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
66	4	(scan\$5 and (displa\$4 and non\$1displa\$4)) and speckle\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
67	3	((partial) with (displ\$5)) same (scan\$5 near6 (disabled enabled))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
68	60	((partial) with (displ\$5)) and (scan\$5 near6 (disabled enabled))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
69	10	(scan\$5 adj3 suppl\$3) with non\$2display	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
70	20	(scan\$5 adj3 suppl\$3) same non\$2display	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
71	15	(scan\$5 near3 suppl\$3) with non\$2display	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
72	26	(scan\$5 near5 suppl\$3) with non\$2display	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
73	86	(scan\$5 adj3 signal\$3) with non\$2display	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
74	48	(scan\$5 adj3 signal\$3) with (non\$2display adj2 (region area))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
75	43	(scan\$5 adj3 signal\$3) near5 non\$2display	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB